Early Journal Content on JSTOR, Free to Anyone in the World

This article is one of nearly 500,000 scholarly works digitized and made freely available to everyone in the world by JSTOR.

Known as the Early Journal Content, this set of works include research articles, news, letters, and other writings published in more than 200 of the oldest leading academic journals. The works date from the mid-seventeenth to the early twentieth centuries.

We encourage people to read and share the Early Journal Content openly and to tell others that this resource exists. People may post this content online or redistribute in any way for non-commercial purposes.

Read more about Early Journal Content at http://about.jstor.org/participate-jstor/individuals/early-journal-content.

JSTOR is a digital library of academic journals, books, and primary source objects. JSTOR helps people discover, use, and build upon a wide range of content through a powerful research and teaching platform, and preserves this content for future generations. JSTOR is part of ITHAKA, a not-for-profit organization that also includes Ithaka S+R and Portico. For more information about JSTOR, please contact support@jstor.org.

Vol. 11, No. 3 SEPTEMBER, 1920

THE SCIENTIFIC MONTHLY

CONTENTS

THE POEM OF THE PHILOSOPHER THEOPHRASTOS UPON THE SACRED ART—A METRICAL TRANSLATION WITH COMMENTS UPON THE HISTORY OF ALCHEMY. DR. C. A. BROWNE 193

THE ECONOMIC PROBLEM OF THE OZARK HIGHLAND. PROFESSOR CARL O. SAUER 215

GIANT SUNS. PROFESSOR H. H. TURNER 241

THE MEDICAL AND ALLIED PROFESSIONS AS A STATE SERVICE. DR. D. FRASER HARRIS 248

THE ECONOMIC IMPORTANCE OF THE SCIENTIFIC WORK OF THE GOVERNMENT. DR. EDWARD B. ROSA 259

DEMOCRACY'S OPPORTUNITY. DR. STEWART PATON 267

THE METHODS OF PROCEDURE IN THE ANALYSIS OF HEREDITY. PROFESSOR CHARLES ZELENY 229

A SIMPLIFIED MUSICAL NOTATION. PROFESSOR EDWARD V. HUNTINGTON . 276

THE PROGRESS OF SCIENCE:

The Foreign-born and Negro Population of the United States; Distribution of the Population by Age and Sex; Scientific Items 284

THE SCIENCE PRESS

LANCASTER, PA. GARRISON, N. Y.

SINGLE NUMBER, 50 CENTS YEARLY SUBSCRIPTION, $5.00

COPYRIGHT 1920 BY THE SCIENCE PRESS

SCIENTIFIC BOOKS

PASTEUR—THE HISTORY OF A MIND

By EMILE DUCLAUX. Translated by ERWIN F. SMITH and FLORENCE HEDGES, *Pathologists of the U. S. Department of Agriculture.*

This book is not only a critique of Pasteur. It is a contribution to biological history at a very important period in the development of science. 363 pages.

The W. B. Saunders Co., Philadelphia

EDUCATIONAL SOCIOLOGY

By WILLIAM ESTABROOKE CHANCELLOR, *Head of the Department of Political and Social Sciences, College of Wooster.*

The purpose of this text-book is to make a general introductory survey of the field of sociology with special reference to education. 422 pages.

The Century Company, New York

VERTEBRATE ZOOLOGY

By HORATIO HACKETT NEWMAN, *Professor of Zoology and Embryology in the University of Chicago.*

This book is intended for use as a text-book in college courses in vertebrate zoology such as are required of premedical students, and other students who have had a course in general zoology. 442 pages. Price $3.00.

The Macmillan Company, New York

ELECTRIC OSCILLATIONS AND ELECTRIC WAVES

By GEORGE W. PIERCE, PH.D., *Professor of Physics in Harvard University.*

This book is designed to present a mathematical treatment of some of the fundamentals of the theory of electric oscillations and electric waves. 417 pages.

McGraw Hill Book Company, New York City

INBREEDING AND OUTBREEDING

By EDWARD M. EAST, PH.D., *Harvard University, and* DONALD F. JONES, SC.D., *Connecticut Agricultural Station.*

Designed especially for the biologist, this work should be read by those who are interested in the far-reaching and fundamental application of the laws of heredity and the experiments that have been done in this subject. 285 pages.

J. B. Lippincott Company, Philadelphia

HUMAN PSYCHOLOGY

By HOWARD C. WARREN, *Professor of Psychology, Princeton University.*

A text-book based on the theory that mental life comprises the events which occur in the active give-and-take relations between organisms and environment. 460 pages.

The Houghton Mifflin Company, Boston

APPLIED ECONOMIC BOTANY

By MELVILLE THURSTON COOK, PH.D., Rutgers College, New Brunswick, N. J.

The author has endeavored to make this work so flexible that it may be used in schools regardless to the amount of time devoted to the subject, or the available laboratory space and equipment. 261 pages.

J. B. Lippincott Company, Philadelphia

Advertisements of new books of interest to readers of the MONTHLY will be inserted on this page for $1.00

Georgetown University

School of Medicine and Dental Department

The Sixty-fourth Session will begin in September and continue eight and one-half months. Six-Year Collegiate and Medical Course leading to degrees B.S. and M.D. Practical laboratory work under special instructors, in Anatomy, Physiology, Chemistry, Histology, Pathology and Bacteriology. Ample facilities for clinical experience and practical work in hospitals of city and in the University Hospital, containing in all over 3000 beds. For particulars address

GEORGE M. KOBER, M.D.
Dean School of Medicine, 1819 Q Street

SHIRLEY W. BOWLES, D.D.S.
Dean Dental Department, 1616 Eye Street, N. W.
Washington, D. C.

Learn to be a Watchmaker

Bradley Polytechnic Institute

Horological Department **PEORIA, ILL.**

Formerly Parsons Horological Inst.

Largest and Best Watch School in America

We teach Watch Work, Jewelry, Engraving, Clock Work, Optics. Tuition reasonable. Board and rooms near school at moderate rates. Send for Catalog of Information.

This entire building used exclusively as a watch school.

The Microscope

12th Edition, Published April 10, 1917
Re-Written and largely Re-Illustrated
By SIMON HENRY GAGE of Cornell University
Postpaid $3.00

COMSTOCK PUBLISHING CO., Ithaca, N. Y.

Ready Shortly

THE PHYSICS OF THE AIR

By WILLIAM J. HUMPHREYS, Ph.D.
Professor of Meteorological Physics, U. S. Weather Bureau

A rational and deductive treatise on the physics of the atmosphere. Of great value to meteorologists, physicists and the aviator.

650 pages, many illustrations, 8vo. Price $5.00

Address orders and inquiries to

THE FRANKLIN INSTITUTE
PHILADELPHIA, U. S. A.

BIOLOGICAL MATERIAL

FOR EXHIBITION AND DISSECTION

H. EDW. HUBERT

Send for price lists of zoological and botanical material.
3615 Melpomene St. New Orleans, La.